

What is claimed is:

1. An uplink transmission power control method comprising the steps of:
computing command values for a plurality of base stations in a terminal in soft handover
5 with a plurality of the base stations transmitting power control commands to the terminal; and
lowering uplink transmission power if the command values computed for a plurality of
the base stations includes at least one power-down command.
2. The uplink transmission power control method of claim 1, if there isn't the power-
10 down command in the command values, further comprising the step of raising the uplink
transmission power if power-up commands outnumber power-maintain commands in the power
control commands.
3. The uplink transmission power control method of claim 1, if there isn't the power-
15 down command in the power control commands, further comprising the step of maintaining the
uplink transmission power if power-up commands are smaller than or equal to power-maintain
commands in the power control commands.
4. The uplink transmission power control method of claim 1, if there isn't the power-
20 down command in the power control commands, further comprising the step of raising the uplink
transmission power if the entire power control commands indicate transmission power increase.
5. An uplink transmission power control method comprising the steps of:
receiving a power control command transmitted from at least one base station;

computing at least one command value according to the received power control command; and

lowering uplink transmission power if the command value includes a transmission power-down command value.

5

6. The uplink transmission power control method of claim 5, if there isn't the transmission power-down value in the command value, further comprising the steps of:

comparing an average of the command value to a reference value; and

raising or maintaining the uplink transmission power according to a result of the

10 comparing step.

7. The uplink transmission power control method of claim 6, wherein the command value is 1 for transmission power-up, 0 for transmission power-maintain, or -1 for transmission power-down.

15

8. The uplink transmission power control method of claim 7, wherein the reference value is 0.5.

9. The uplink transmission power control method of claim 8, wherein, in the step of
20 raising or maintaining the uplink transmission power according to the result of the comparing step, the uplink transmission power is raised if the average of the command value exceeds 0.5 or is maintained if the average of the command value is equal to or smaller than 0,5.

10. The uplink transmission power control method of claim 8, wherein, in the step of raising or maintaining the uplink transmission power according to the result of the comparing step, the uplink transmission power is raised if the average of the command value is equal to or greater than 0.5 or is maintained if the average of the command value is smaller than 0.5.

5

11. The uplink transmission power control method of claim 2, wherein the command value computing step computes the command value corresponding to transmission power-up for the corresponding base station if transmission power-up commands keep being transmitted from the corresponding base station for five time slots, the command value corresponding to transmission power-down for the corresponding base station if transmission power-down commands keep being transmitted from the corresponding base station for the five time slots, or the command value corresponding to transmission power-maintain, otherwise.

12. The uplink transmission power control method of claim 11, wherein a reference slot of the five time slots is a first time slot of a radio frame.

15